

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050919\
 Data File : BM020223.D
 Acq On : 09 May 2019 18:39
 Operator : JU/SJ
 Sample : K2645-07 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PL-02-050719-D

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.357	398	403	411	rBV	381533	573029	15.13%	1.342%
2	6.940	666	672	683	rBV	352681	609312	16.09%	1.427%
3	7.304	728	734	743	rBV	374411	641206	16.93%	1.502%
4	7.775	808	814	821	rBV	411288	675877	17.85%	1.583%
5	8.092	862	868	878	rBV	307669	497246	13.13%	1.164%
6	8.939	1004	1012	1024	rBV	202442	391323	10.33%	0.916%
7	10.569	1283	1289	1295	rBV	498552	840509	22.20%	1.968%
8	10.622	1295	1298	1303	rVB	25781	39672	1.05%	0.093%
9	12.239	1569	1573	1579	rVB5	27887	48539	1.28%	0.114%
10	13.033	1702	1708	1718	rBV	521044	809046	21.36%	1.895%
11	13.222	1735	1740	1744	rBV3	29572	42361	1.12%	0.099%
12	13.739	1822	1828	1833	rBV2	37184	63431	1.68%	0.149%
13	13.874	1845	1851	1857	rVB2	89479	138389	3.65%	0.324%
14	14.145	1891	1897	1906	rBV	192223	318499	8.41%	0.746%
15	14.298	1917	1923	1928	rVB3	62467	92170	2.43%	0.216%
16	14.421	1938	1944	1950	rVV2	730732	1108098	29.26%	2.595%
17	14.480	1950	1954	1962	rVB	55222	100616	2.66%	0.236%
18	14.816	2007	2011	2019	rVB2	56296	99314	2.62%	0.233%
19	15.027	2043	2047	2053	rBV5	26982	63142	1.67%	0.148%
20	15.257	2081	2086	2089	rVV	88832	123697	3.27%	0.290%
21	15.292	2089	2092	2099	rVB2	34911	51075	1.35%	0.120%
22	15.468	2116	2122	2133	rVB	129219	236227	6.24%	0.553%
23	15.663	2152	2155	2165	rVB7	32067	79152	2.09%	0.185%
24	15.757	2167	2171	2177	rVB3	44125	64398	1.70%	0.151%
25	15.810	2177	2180	2188	rVB8	24960	39182	1.03%	0.092%
26	15.910	2192	2197	2205	rVB	458870	694849	18.35%	1.627%
27	16.115	2227	2232	2248	rBV3	131538	299649	7.91%	0.702%
28	16.468	2286	2292	2297	rBV5	46492	102817	2.72%	0.241%
29	16.521	2297	2301	2307	rVB3	38028	58218	1.54%	0.136%
30	16.621	2315	2318	2321	rVB4	38463	45500	1.20%	0.107%
31	16.692	2325	2330	2333	rBV7	32719	54335	1.43%	0.127%
32	16.827	2349	2353	2357	rVB4	40201	58930	1.56%	0.138%
33	16.910	2362	2367	2371	rVV2	133251	195077	5.15%	0.457%
34	16.957	2371	2375	2377	rVV4	57724	88684	2.34%	0.208%

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35	16.986	2377	2380	2387	rVB	78354	130465	3.45%	0.306%
36	17.168	2405	2411	2415	rBV	989987	1456582	38.46%	3.411%
37	17.210	2415	2418	2426	rVB	993647	1369837	36.17%	3.208%
38	17.304	2429	2434	2439	rBV	352215	496739	13.12%	1.163%
39	17.574	2475	2480	2487	rVV	67325	121117	3.20%	0.284%
40	17.645	2488	2492	2496	rVV	117910	148932	3.93%	0.349%
41	17.692	2496	2500	2505	rVV3	41946	61095	1.61%	0.143%
42	17.745	2505	2509	2515	rVB2	52359	89952	2.38%	0.211%
43	17.827	2518	2523	2529	rVB	330609	410744	10.85%	0.962%
44	18.045	2555	2560	2564	rBV2	274796	435521	11.50%	1.020%
45	18.092	2564	2568	2573	rVB	253305	365604	9.65%	0.856%
46	18.174	2577	2582	2586	rVV	120118	184672	4.88%	0.432%
47	18.239	2587	2593	2597	rVV3	323189	616289	16.27%	1.443%
48	18.274	2597	2599	2606	rVB	144943	173787	4.59%	0.407%
49	18.339	2606	2610	2616	rBV3	119007	169892	4.49%	0.398%
50	18.545	2641	2645	2649	rVV	114781	153497	4.05%	0.359%
51	18.592	2649	2653	2658	rVB2	78940	111927	2.96%	0.262%
52	18.792	2684	2687	2692	rVB5	48234	72651	1.92%	0.170%
53	18.839	2692	2695	2698	rVV	64963	73221	1.93%	0.171%
54	18.880	2699	2702	2705	rVB3	53909	63280	1.67%	0.148%
55	18.968	2711	2717	2720	rBV3	1295295	1765855	46.63%	4.135%
56	19.004	2720	2723	2735	rVB2	1746116	2339072	61.77%	5.477%
57	19.109	2736	2741	2743	rBV2	105685	187023	4.94%	0.438%
58	19.133	2743	2745	2752	rVB2	213326	254085	6.71%	0.595%
59	19.227	2756	2761	2767	rVV	2059422	2864953	75.65%	6.709%
60	19.333	2775	2779	2782	rBV5	63037	81193	2.14%	0.190%
61	19.380	2783	2787	2791	rBV	118276	141564	3.74%	0.332%
62	19.474	2800	2803	2805	rBV2	51324	62577	1.65%	0.147%
63	19.556	2813	2817	2819	rBV	353789	458126	12.10%	1.073%
64	19.592	2819	2823	2831	rVV	1948382	2673331	70.59%	6.260%
65	19.662	2831	2835	2841	rVV3	113657	169567	4.48%	0.397%
66	19.792	2851	2857	2861	rBV	1017500	1258384	33.23%	2.947%
67	19.915	2873	2878	2886	rBV4	159465	432424	11.42%	1.013%
68	20.086	2904	2907	2912	rVB	414897	569898	15.05%	1.335%
69	20.186	2920	2924	2928	rBV	299228	372851	9.85%	0.873%
70	20.245	2929	2934	2938	rVV2	237382	359807	9.50%	0.843%
71	20.386	2955	2958	2962	rBV	145381	208297	5.50%	0.488%

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72	20.433	2963	2966	2970	rVV2	147005	181446	4.79%	0.425%
73	20.833	3032	3034	3041	rVB	153545	211909	5.60%	0.496%
74	21.003	3060	3063	3066	rVB	179474	197103	5.20%	0.462%
75	21.045	3066	3070	3073	rBV2	230598	337414	8.91%	0.790%
76	21.350	3116	3122	3126	rBV2	1842503	3786925	100.00%	8.868%
77	21.392	3126	3129	3136	rVB	1111377	1449056	38.26%	3.393%
78	22.956	3390	3395	3400	rBV	799980	1893541	50.00%	4.434%
79	23.444	3474	3478	3484	rVB	506715	873022	23.05%	2.044%
80	23.544	3490	3495	3502	rVB	975469	1772726	46.81%	4.151%
81	23.644	3507	3512	3518	rBV	974383	1752471	46.28%	4.104%

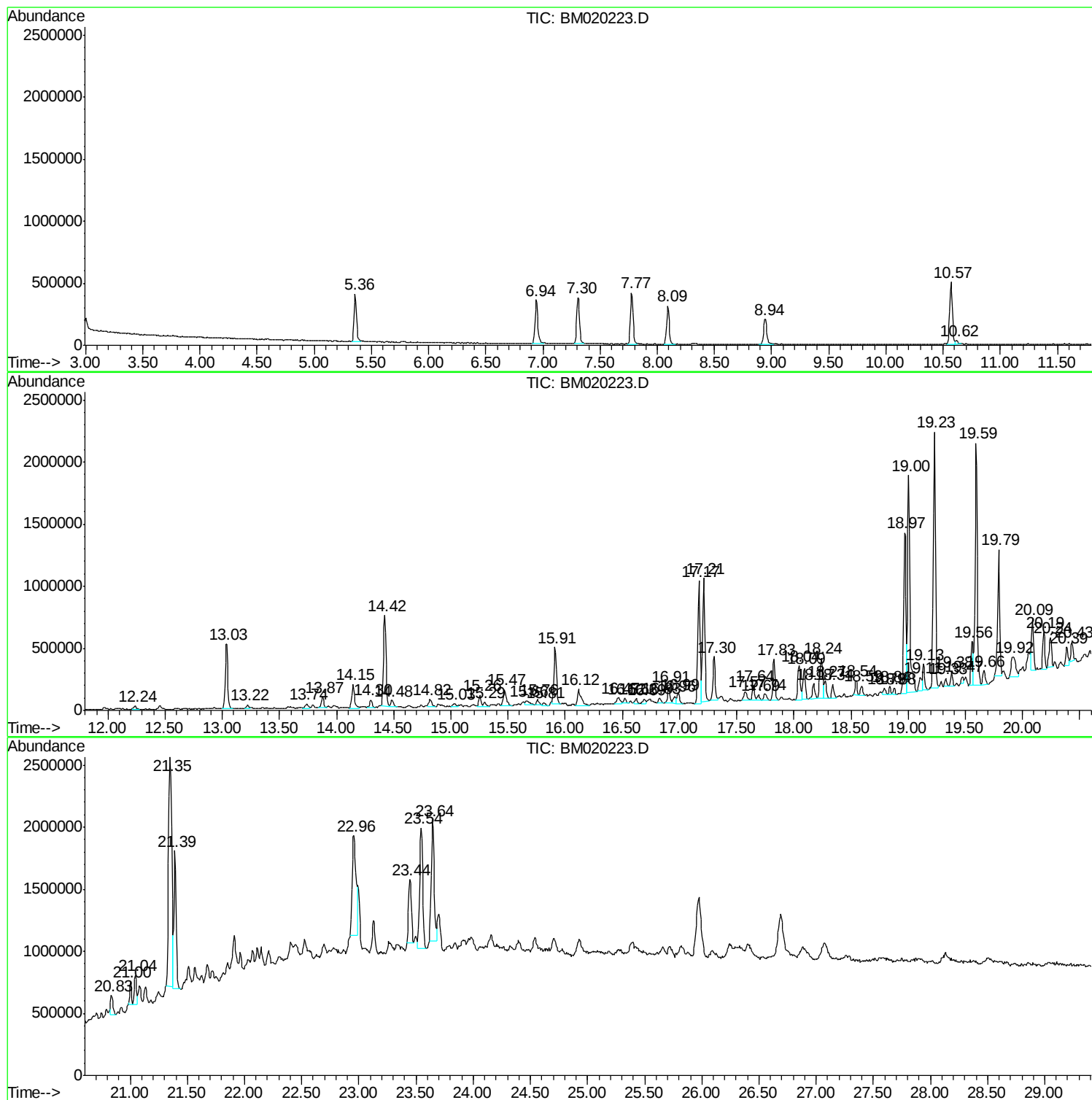
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P



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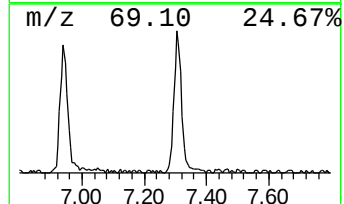
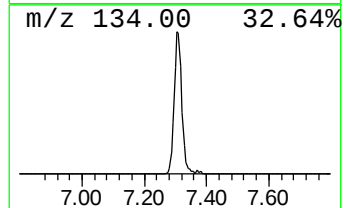
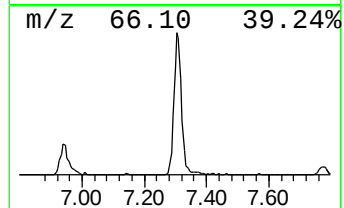
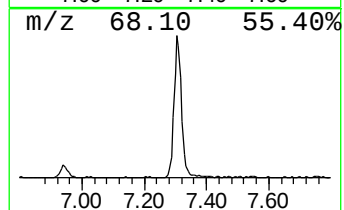
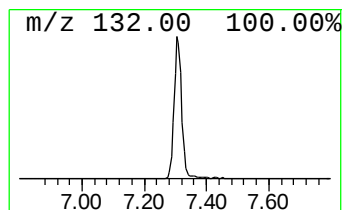
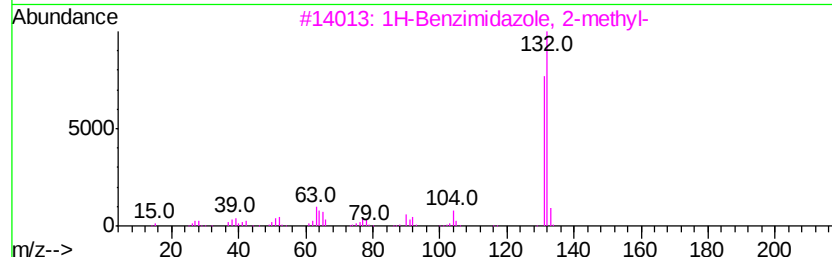
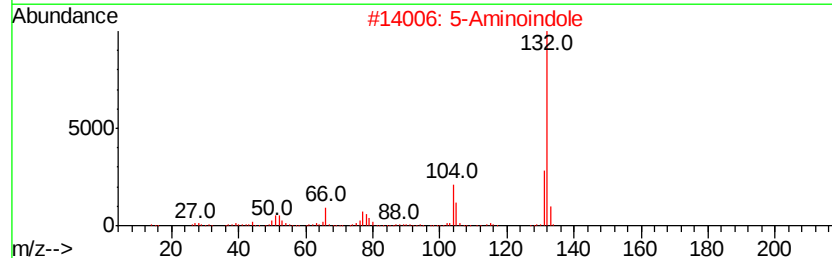
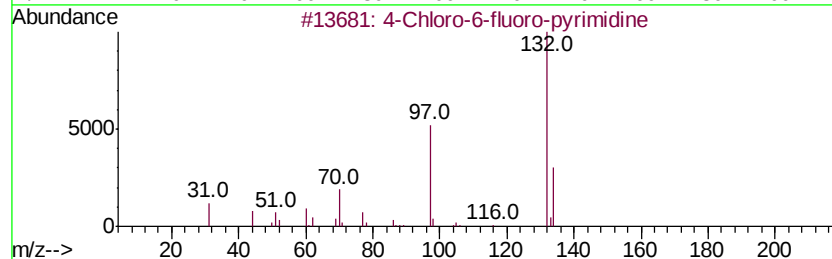
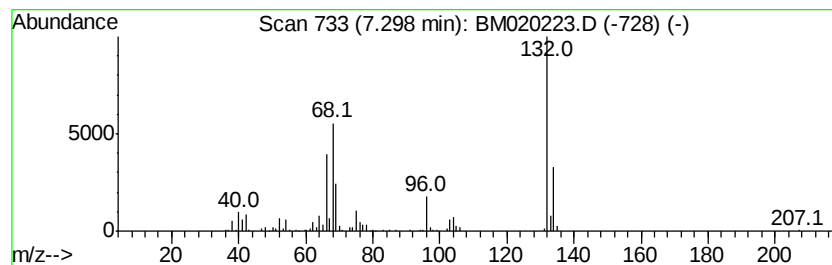
Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 unknown7.30 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.30	18.97 ng	641206	1,4-Dichlorobenzene-d4	7.77

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	4-Chloro-6-fluoro-pyrimidine	132	C4H2ClFN2	051422-01-6	27
2		5-Aminoindole	132	C8H8N2	005192-03-0	22
3		1H-Benzimidazole, 2-methyl-	132	C8H8N2	000615-15-6	22
4		3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	16
5		1,3,4-Thiadiazole-2(3H)-thione, ...	132	C3H4N2S2	029490-19-5	12



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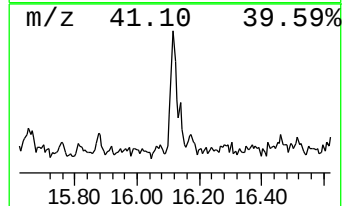
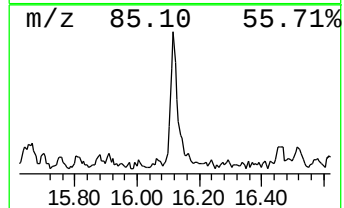
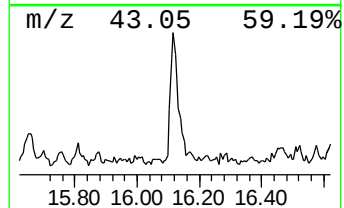
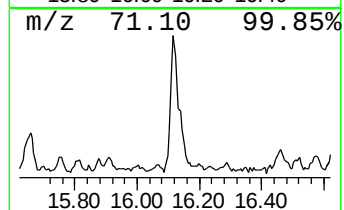
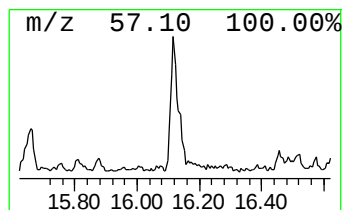
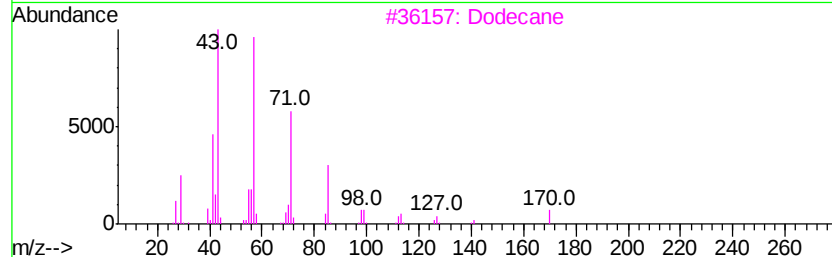
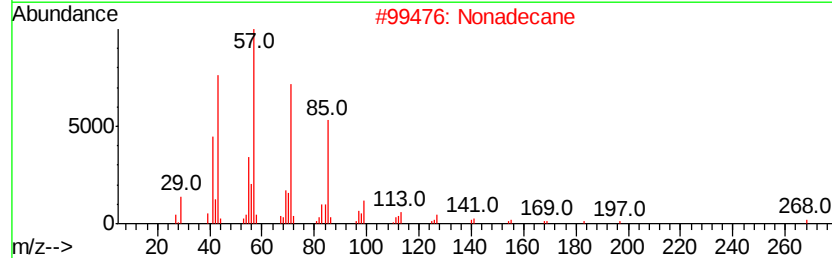
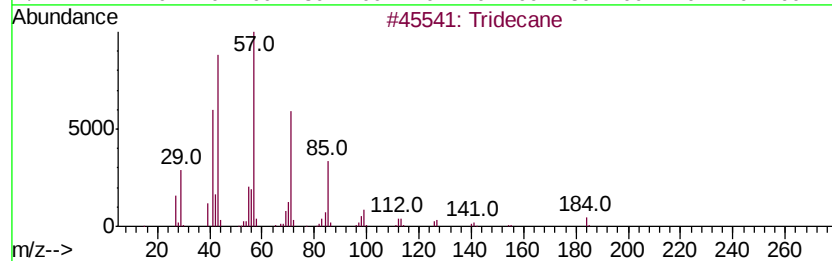
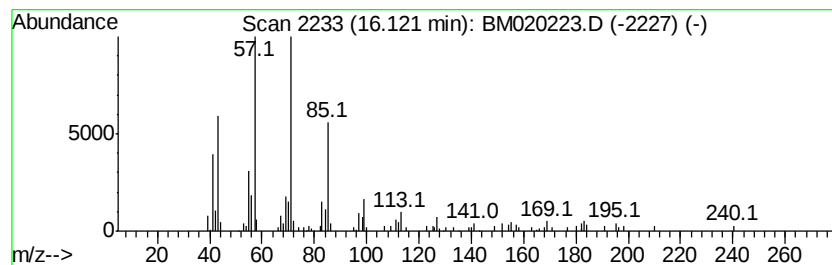
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TIC Library : C:\DATABASE\NIST02.L
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Peak Number 5 Tridecane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.12	4.11 ng	299649	Phenanthrene-d10	17.17

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	87
2	Nonadecane	268	C19H40	000629-92-5	86
3	Dodecane	170	C12H26	000112-40-3	86
4	Tridecane, 1-iodo-	310	C13H27I	035599-77-0	80
5	Decane, 3,8-dimethyl-	170	C12H26	017312-55-9	80



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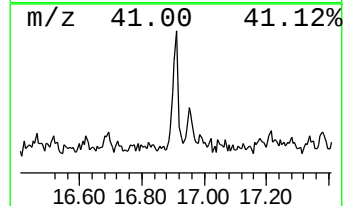
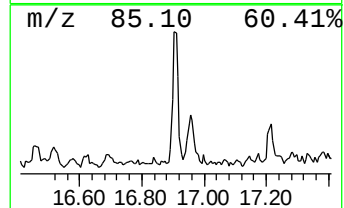
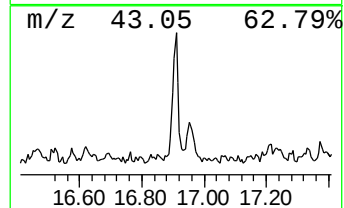
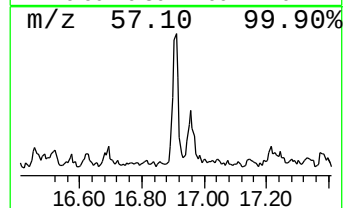
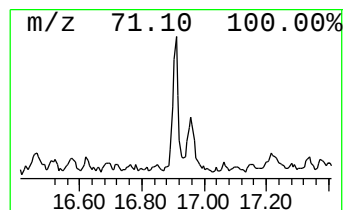
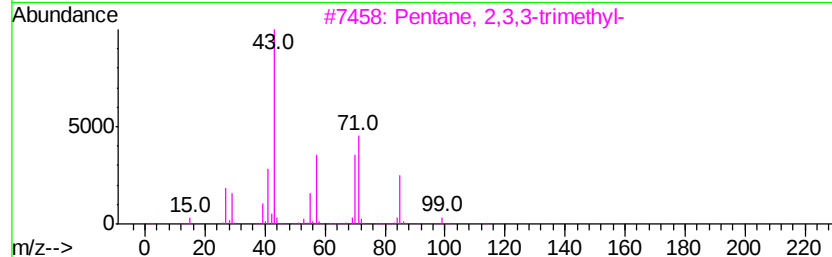
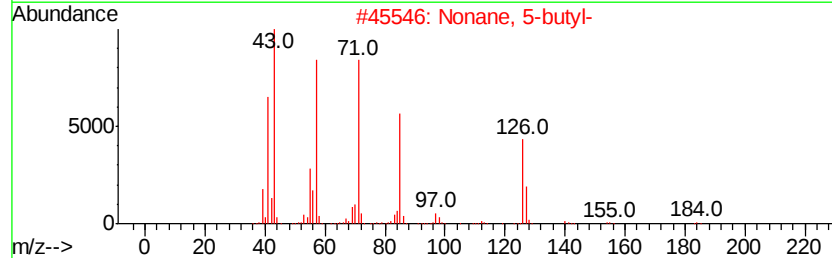
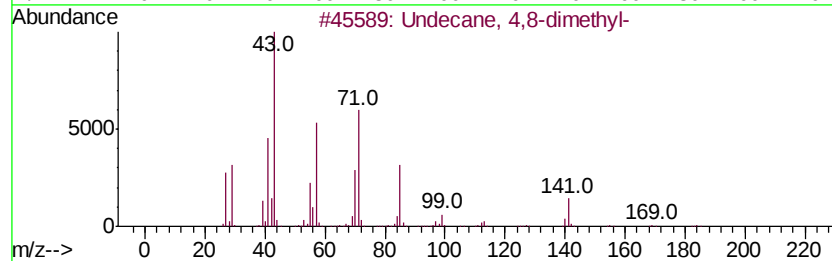
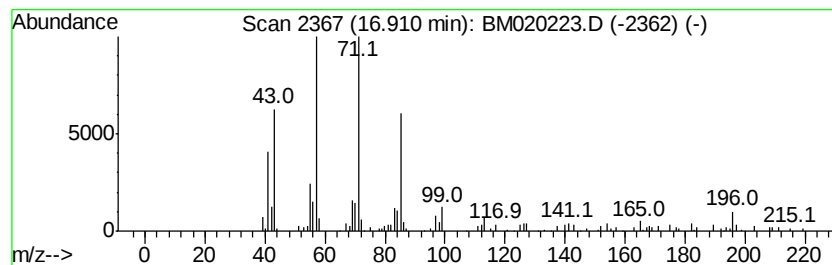
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TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Undecane, 4,8-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.91	2.68 ng	195077	Phenanthrene-d10	17.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Undecane, 4,8-dimethyl-	184	C13H28	017301-33-6	83
2		Nonane, 5-butyl-	184	C13H28	017312-63-9	72
3		Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	72
4		Eicosane	282	C20H42	000112-95-8	68
5		Hexadecane	226	C16H34	000544-76-3	64



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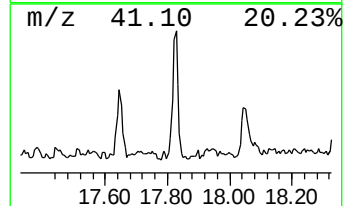
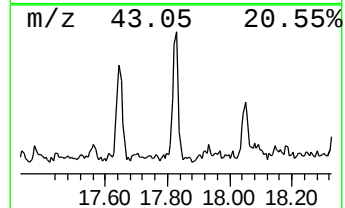
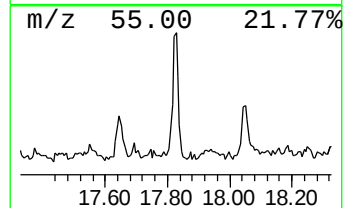
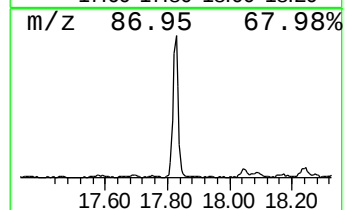
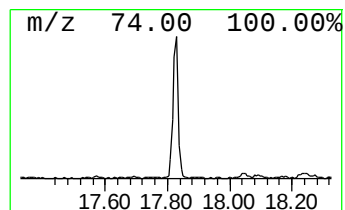
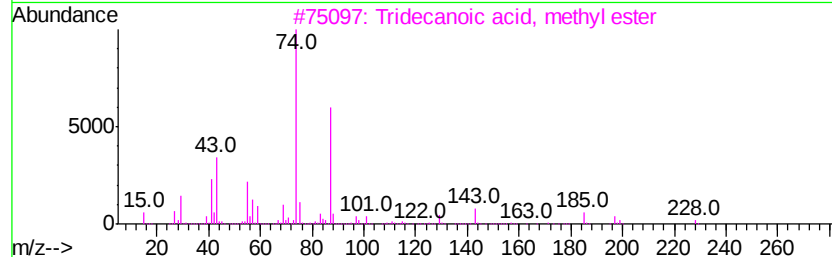
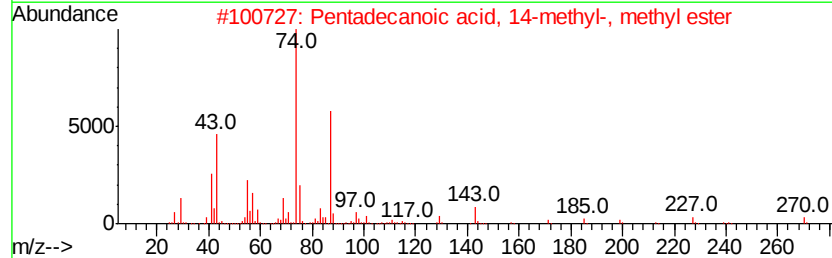
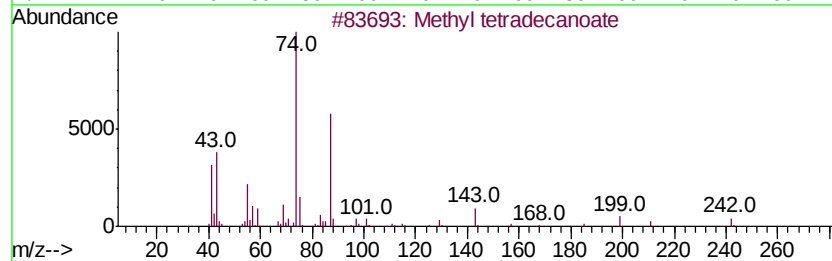
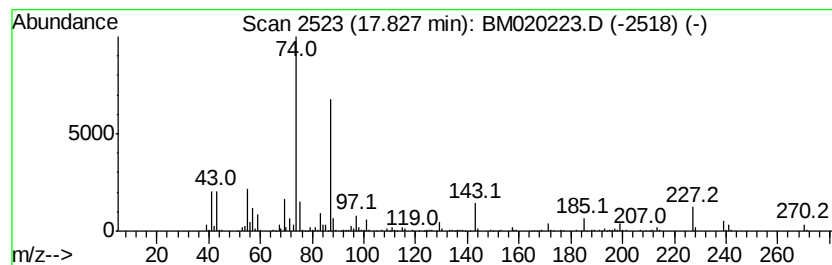
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ClientSampleId :
PL-02-050719-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 7 Methyl tetradecanoate Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD		R.T.	
17.83	5.64 ng	410744	Phenanthrene-d10		17.17	
Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Methyl tetradecanoate	242	C15H30O2	000124-10-7	95
2		Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	93
3		Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	90
4		Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	90
5		Methyl 9-methyltetradecanoate	256	C16H32O2	213617-69-7	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050919\
Data File : BM020223.D
Acq On : 09 May 2019 18:39
Operator : JU/SJ
Sample : K2645-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

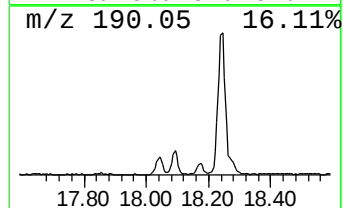
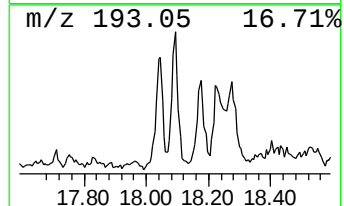
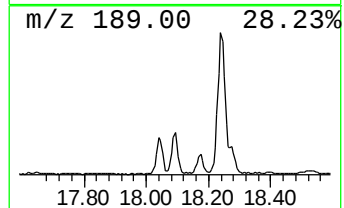
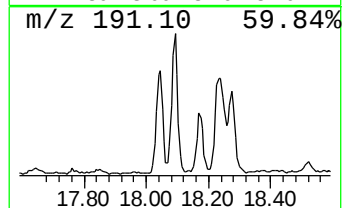
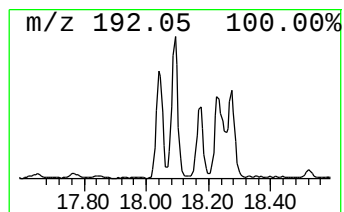
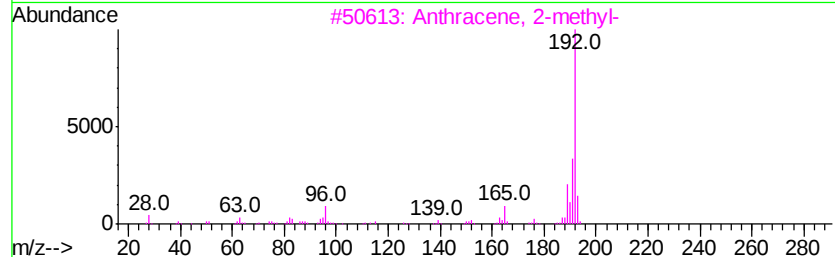
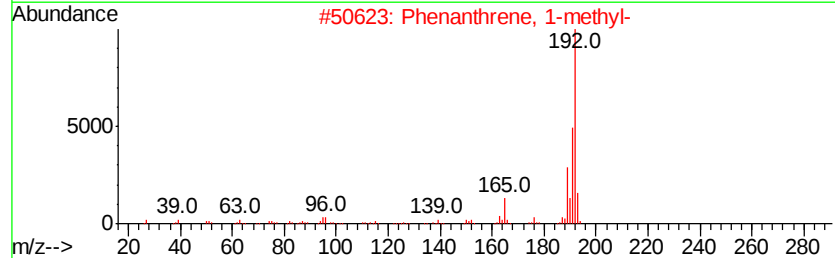
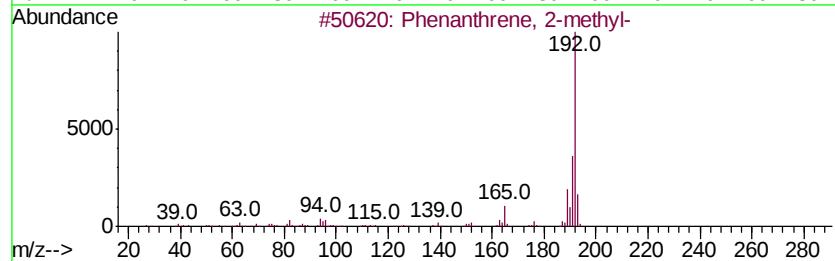
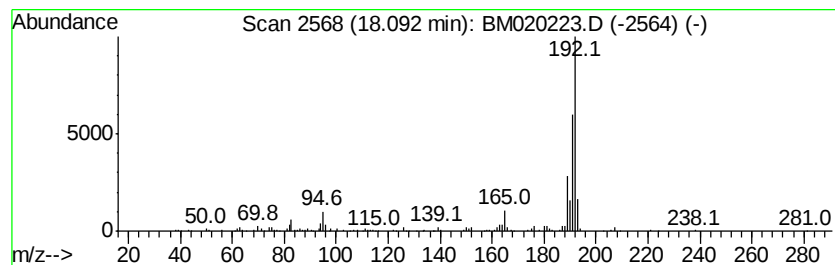
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ClientSampleId :
PL-02-050719-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.09	5.02 ng	365604	Phenanthrene-d10	17.17	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	92
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	90
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050919\
Data File : BM020223.D
Acq On : 09 May 2019 18:39
Operator : JU/SJ
Sample : K2645-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PL-02-050719-D

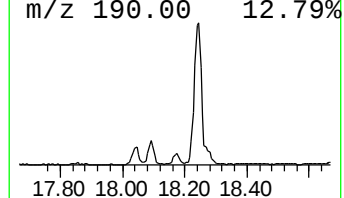
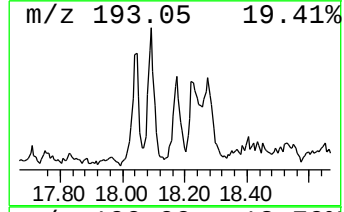
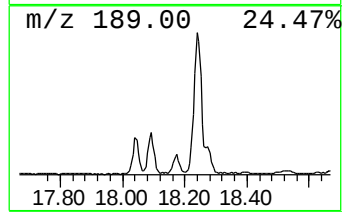
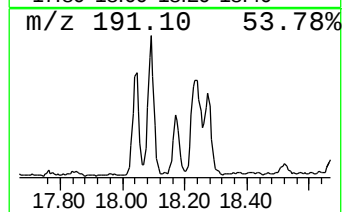
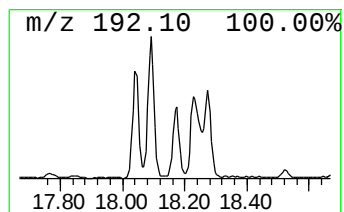
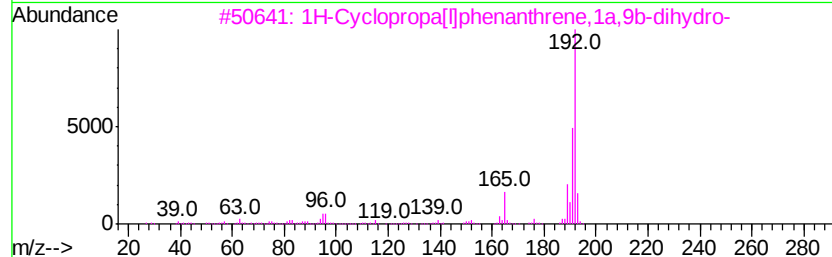
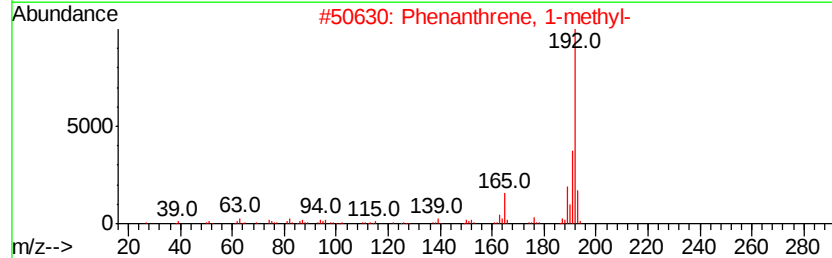
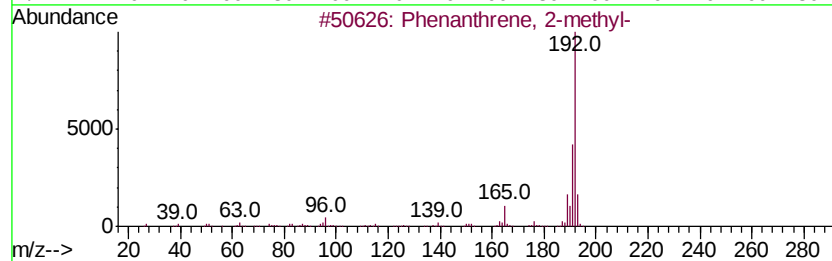
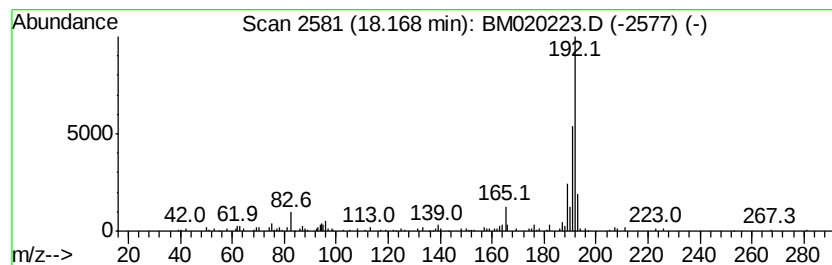
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.17	2.54 ng	184672	Phenanthrene-d10	17.17

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	93
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	90



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050919\
Data File : BM020223.D
Acq On : 09 May 2019 18:39
Operator : JU/SJ
Sample : K2645-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

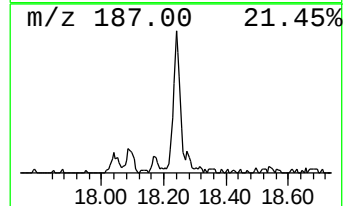
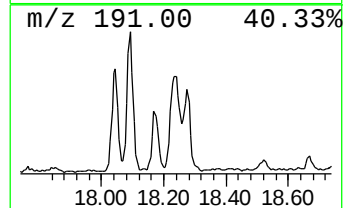
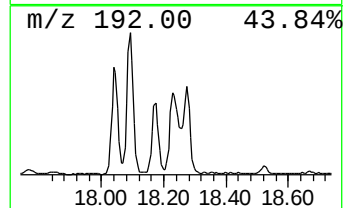
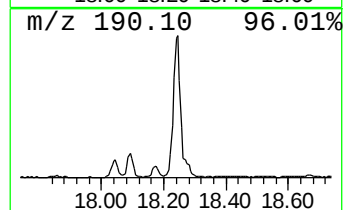
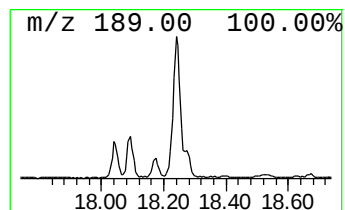
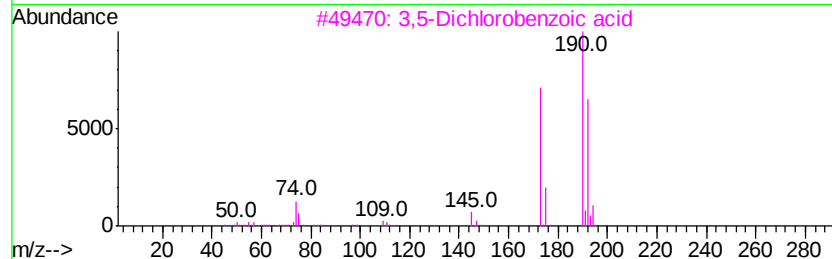
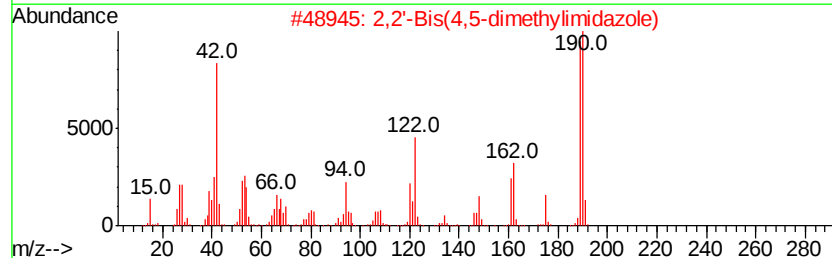
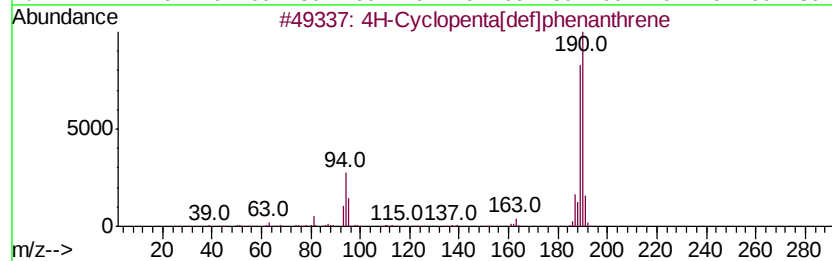
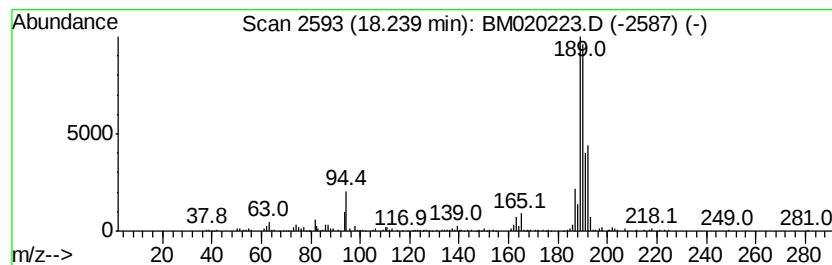
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ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.24	8.46 ng	616289	Phenanthrene-d10	17.17	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
2	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	28
3	3,5-Dichlorobenzoic acid	190	C7H4Cl2O2	000051-36-5	27
4	4-(4-Chlorophenyl)pyridine	189	C11H8ClN	005957-96-0	12
5	1-Methyl-2-phenylpiperidin-4-one	189	C12H15NO	091640-05-0	12



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050919\
Data File : BM020223.D
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Operator : JU/SJ
Sample : K2645-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

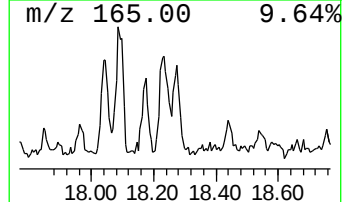
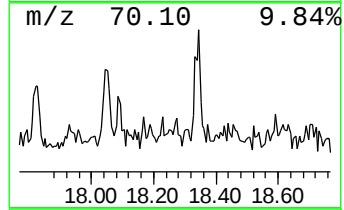
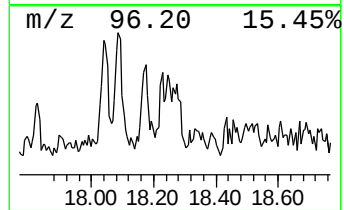
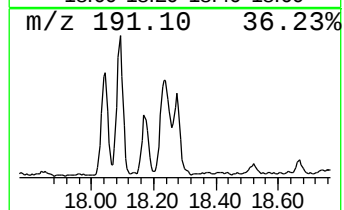
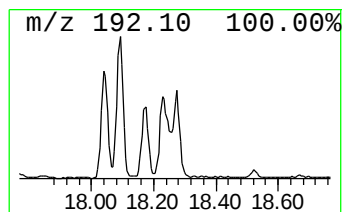
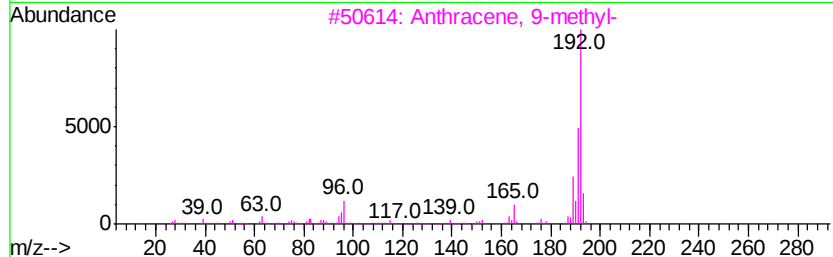
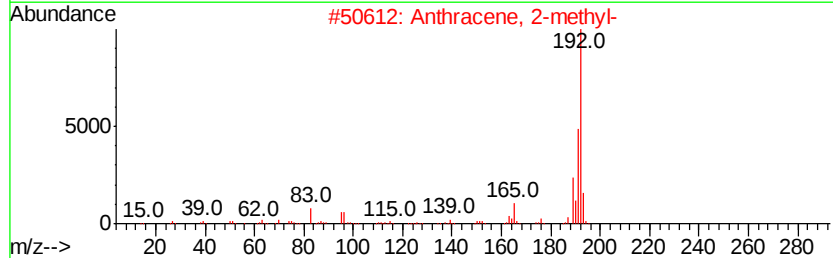
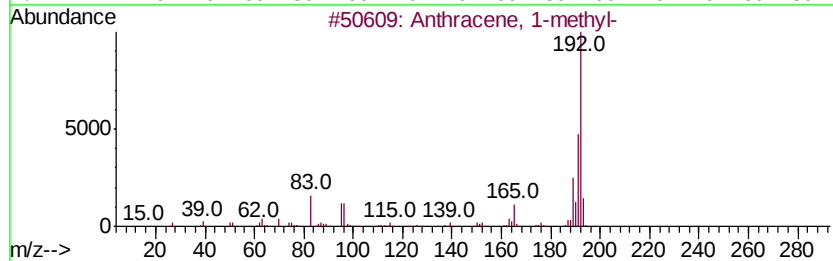
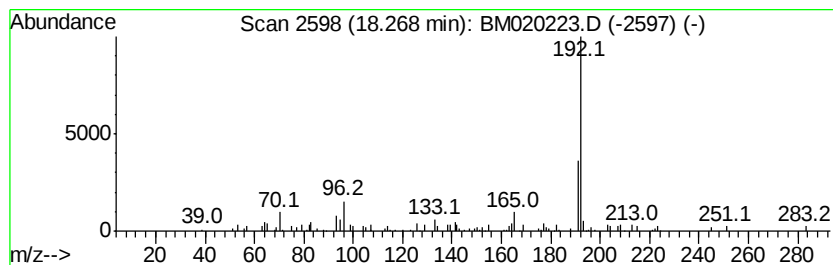
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Anthracene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.	
18.27	2.39 ng	173787	Phenanthrene-d10	17.17	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1-methyl-	192	C15H12	000610-48-0	72
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	72
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	72
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	72
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	64



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050919\
Data File : BM020223.D
Acq On : 09 May 2019 18:39
Operator : JU/SJ
Sample : K2645-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PL-02-050719-D

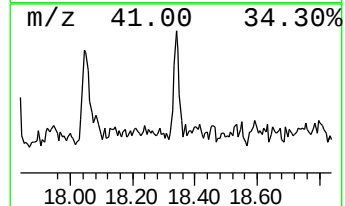
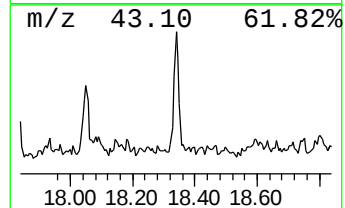
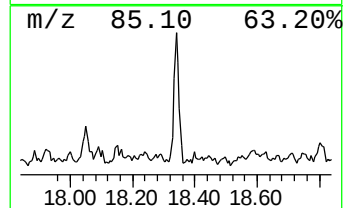
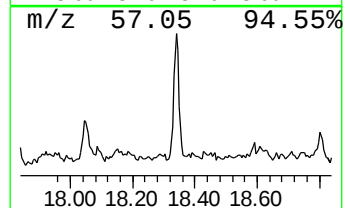
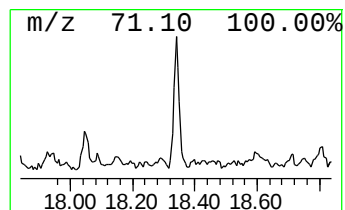
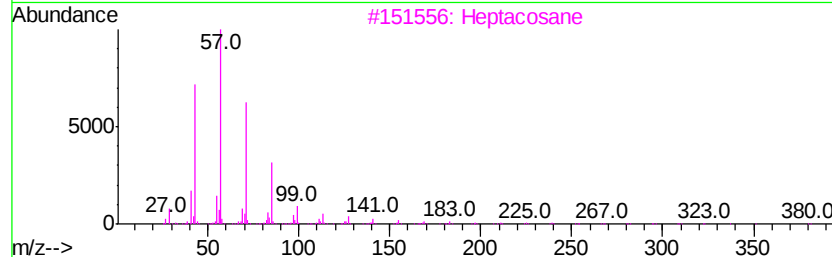
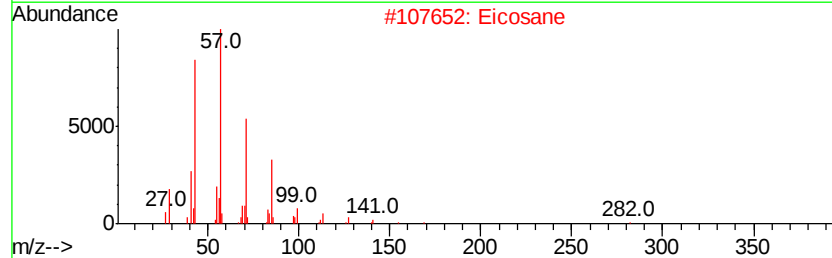
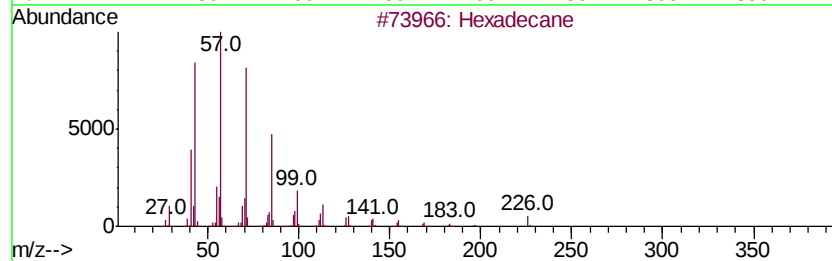
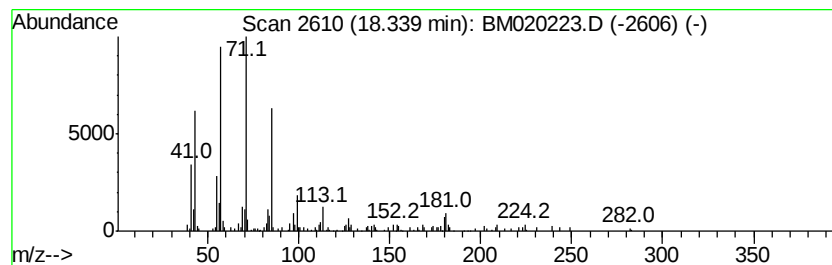
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Hexadecane Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.34	2.33 ng	169892	Phenanthrene-d10	17.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Hexadecane	226	C16H34	000544-76-3	86
2		Eicosane	282	C20H42	000112-95-8	81
3		Heptacosane	380	C27H56	000593-49-7	68
4		2-Bromo dodecane	248	C12H25Br	013187-99-0	64
5		Heneicosane	296	C21H44	000629-94-7	58



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050919\
Data File : BM020223.D
Acq On : 09 May 2019 18:39
Operator : JU/SJ
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Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PL-02-050719-D

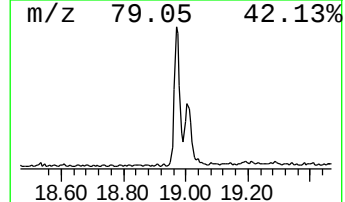
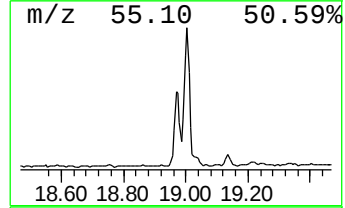
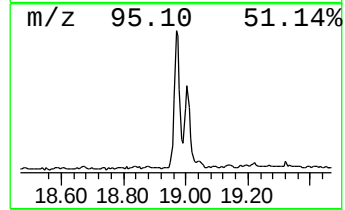
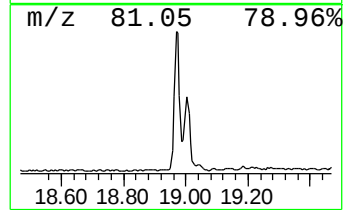
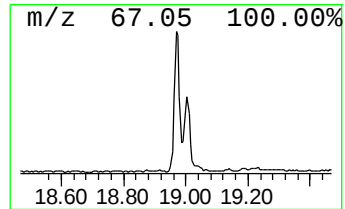
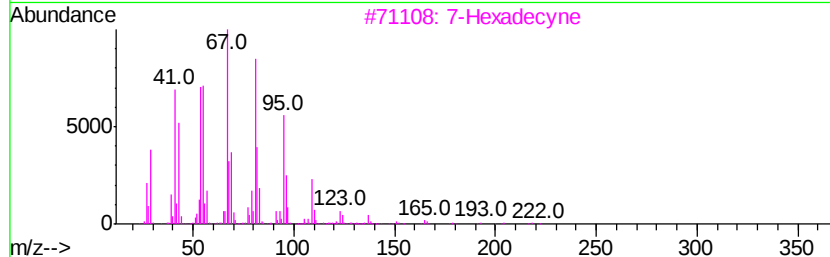
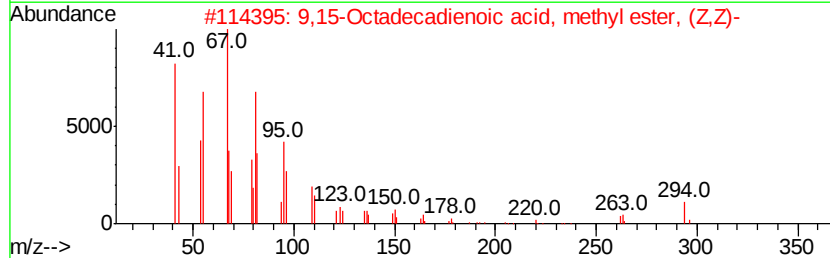
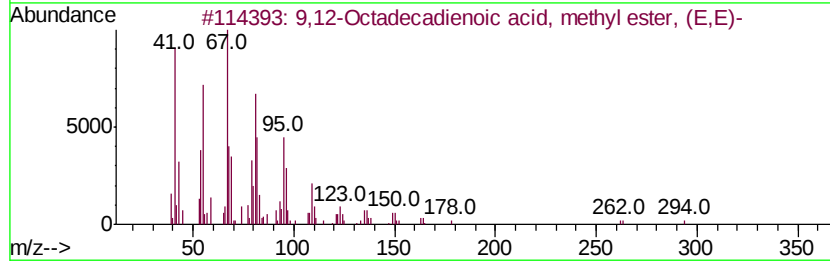
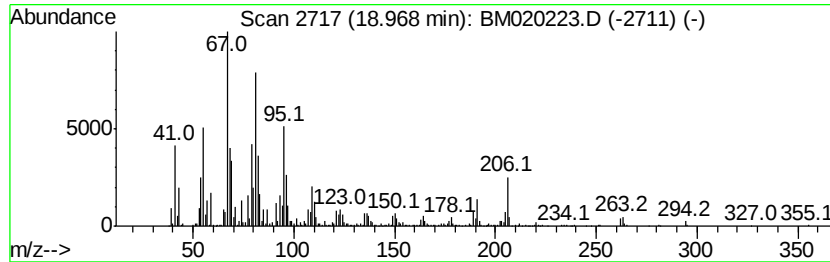
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 9,12-Octadecadienoic acid, ... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.97	24.25 ng	1765860	Phenanthrene-d10	17.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	97
2		9,15-Octadecadienoic acid, methy...	294	C19H34O2	017309-05-6	95
3		7-Hexadecyne	222	C16H30	074685-28-2	93
4		8,11-Octadecadienoic acid, methy...	294	C19H34O2	056599-58-7	89
5		9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	84



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050919\
Data File : BM020223.D
Acq On : 09 May 2019 18:39
Operator : JU/SJ
Sample : K2645-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PL-02-050719-D

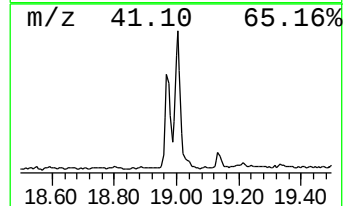
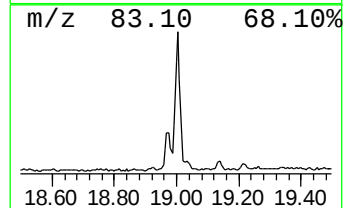
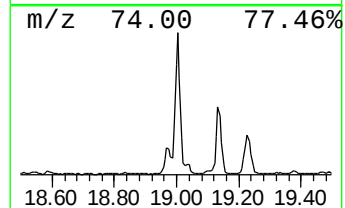
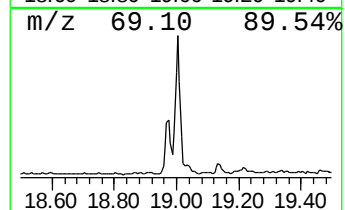
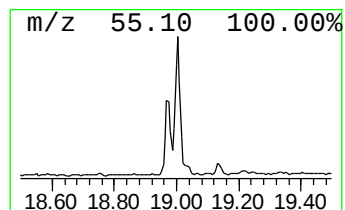
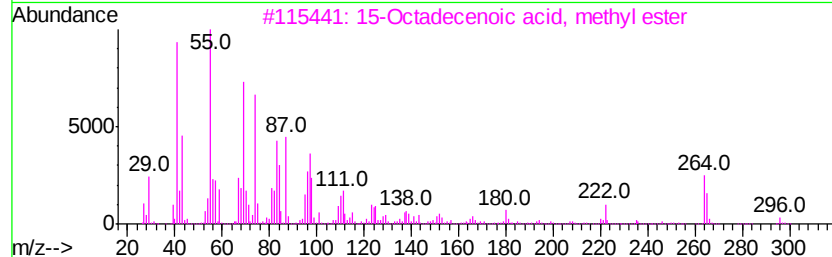
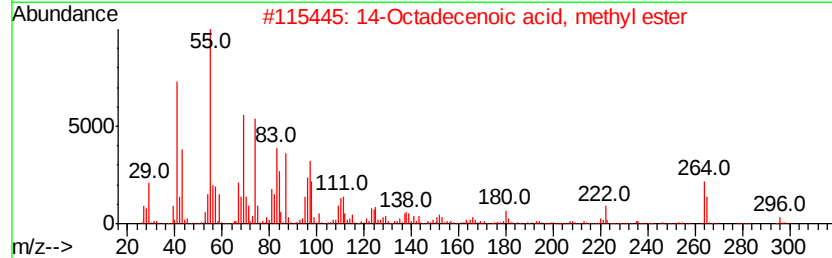
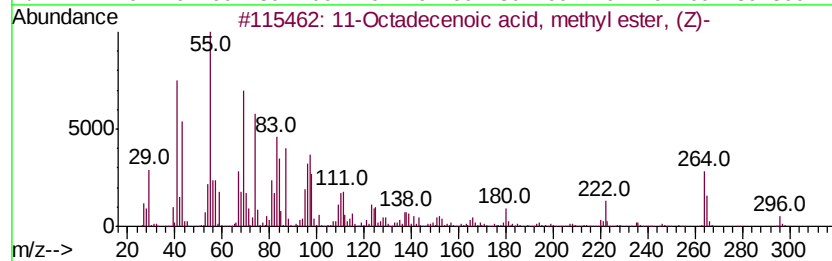
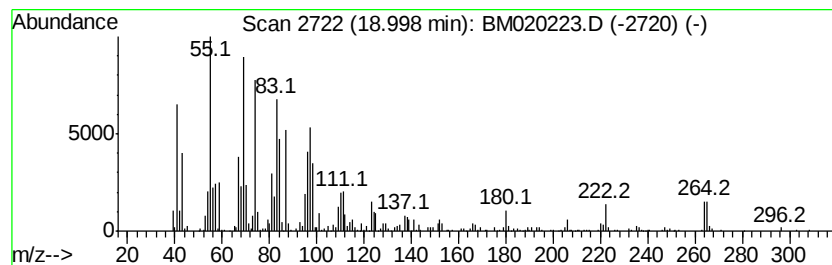
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 15 11-Octadecenoic acid, methy... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.00	32.12 ng	2339070	Phenanthrene-d10	17.17

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99
2			14-Octadecenoic acid, methyl ester	296	C19H36O2	056554-48-4	99
3			15-Octadecenoic acid, methyl ester	296	C19H36O2	004764-72-1	99
4			16-Octadecenoic acid, methyl ester	296	C19H36O2	056554-49-5	99
5			10-Octadecenoic acid, methyl est...	296	C19H36O2	013038-45-4	96



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050919\
Data File : BM020223.D
Acq On : 09 May 2019 18:39
Operator : JU/SJ
Sample : K2645-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
PL-02-050719-D

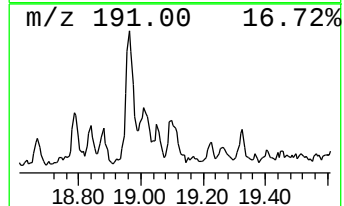
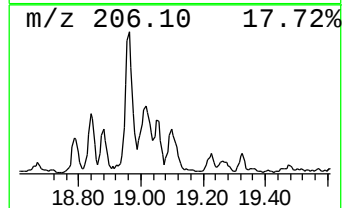
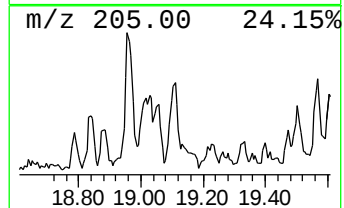
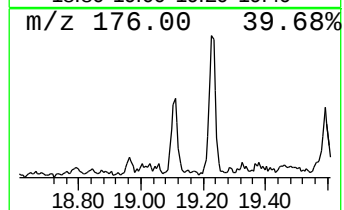
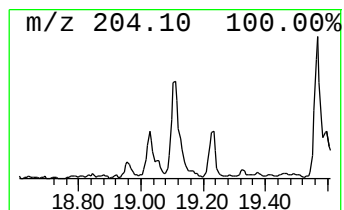
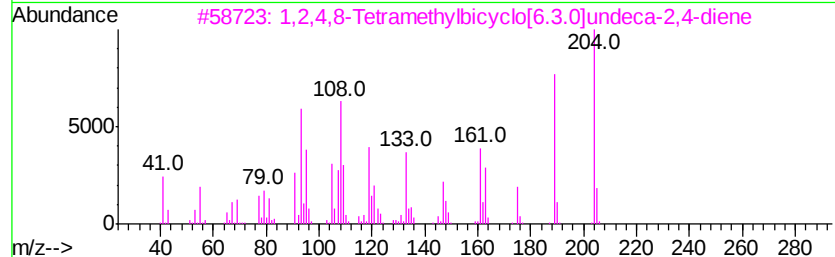
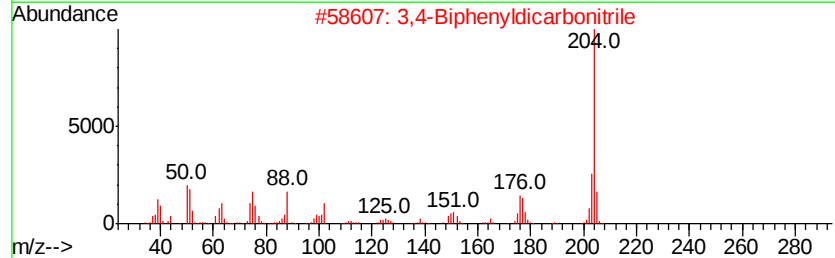
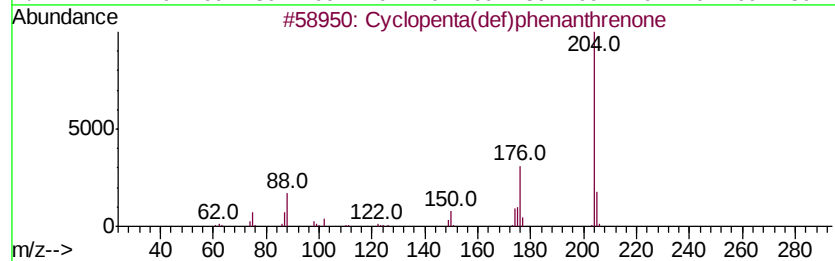
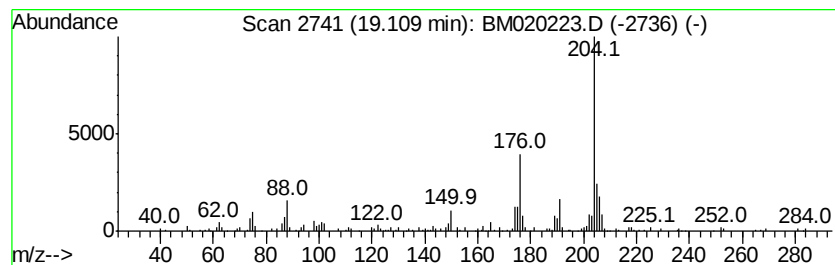
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.11	2.57 ng	187023	Phenanthrene-d10	17.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	94
2		3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
3		1,2,4,8-Tetramethylbicyclo[6.3.0]undeca-2,4-diene	204	C15H24	137235-51-9	49
4		[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
5		Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	43



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050919\
Data File : BM020223.D
Acq On : 09 May 2019 18:39
Operator : JU/SJ
Sample : K2645-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
PL-02-050719-D

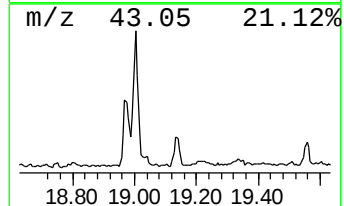
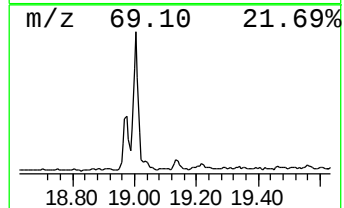
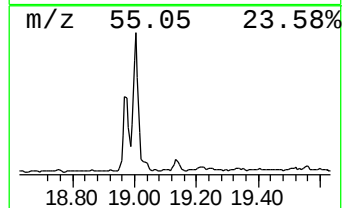
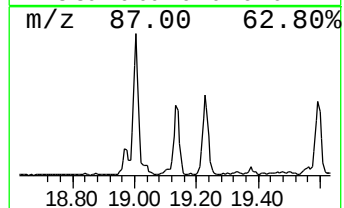
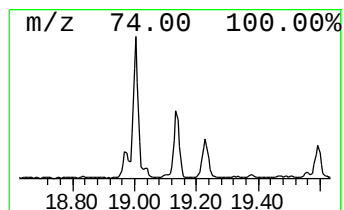
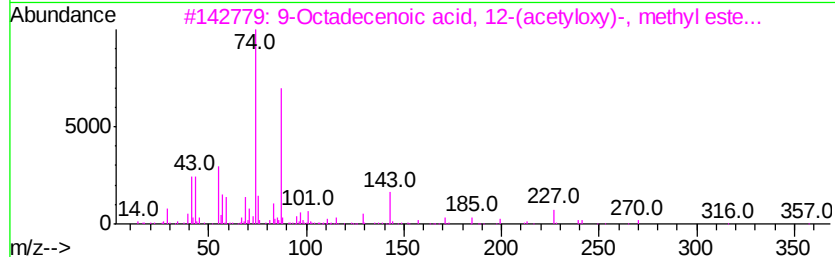
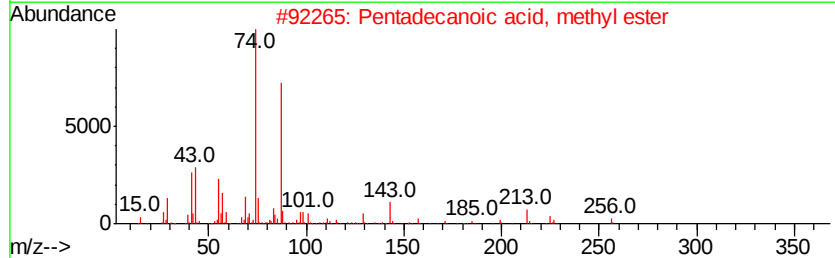
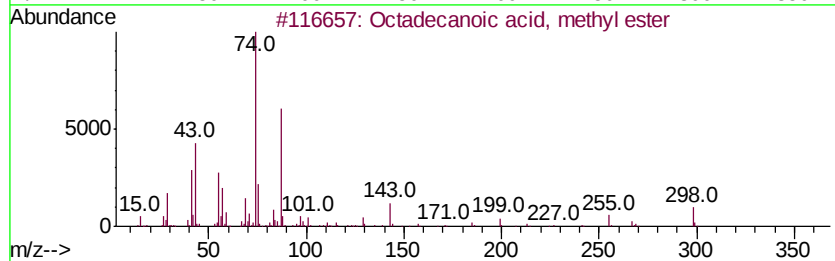
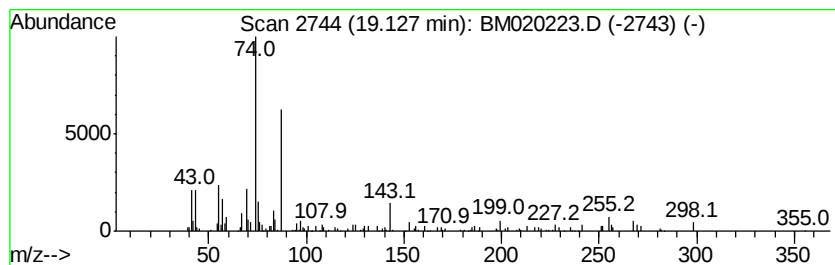
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 Octadecanoic acid, methyl e... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
19.13	3.49 ng	254085	Phenanthrene-d10	17.17

Hit#	of	Tentative ID	MW	MolForm	CAS#	Qual
1	5	Octadecanoic acid, methyl ester	298	C19H38O2	000112-61-8	90
2		Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	81
3		9-Octadecenoic acid, 12-(acetylo...	354	C21H38O4	000140-03-4	72
4		Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	72
5		Methyl 9-methyltetradecanoate	256	C16H32O2	213617-69-7	72



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050919\
Data File : BM020223.D
Acq On : 09 May 2019 18:39
Operator : JU/SJ
Sample : K2645-07 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

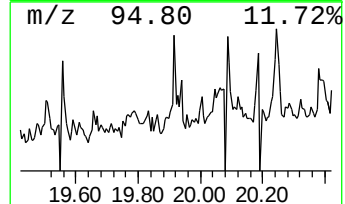
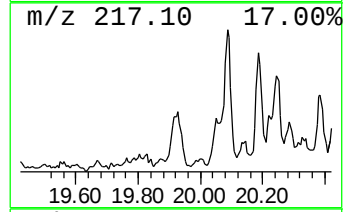
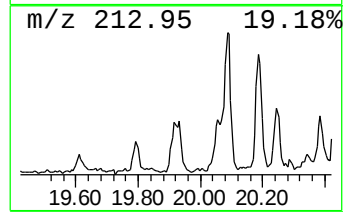
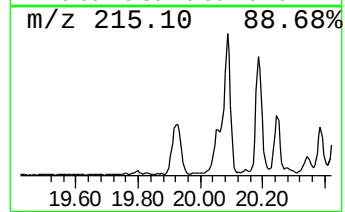
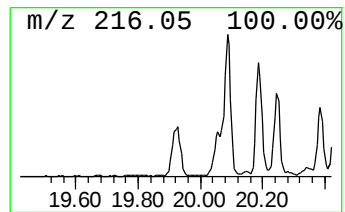
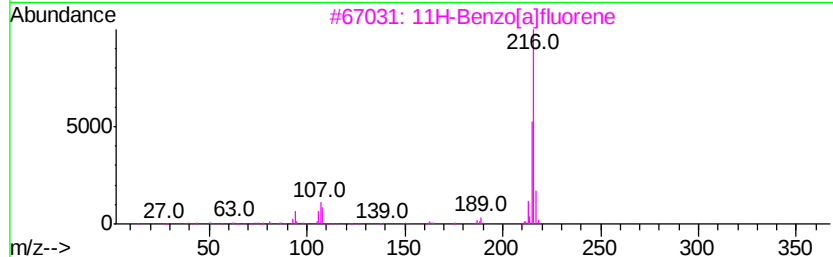
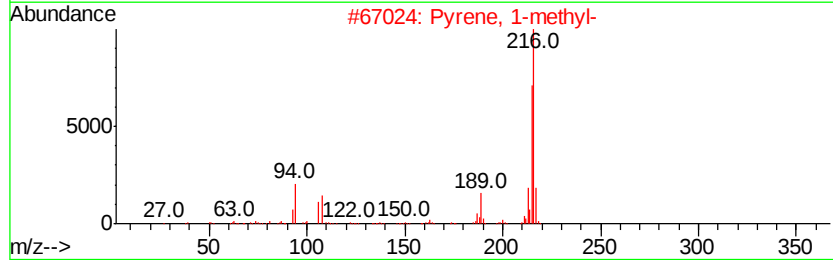
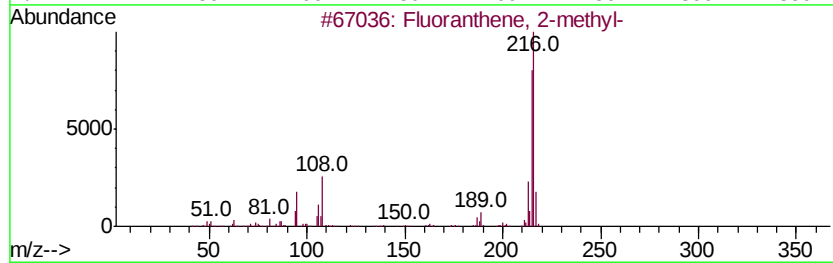
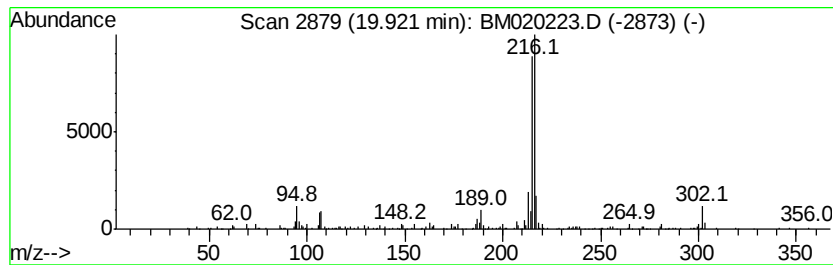
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 18 Fluoranthene, 2-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.	
19.92	2.28 ng	432424	Chrysene-d12	21.36	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	89
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	83
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM050919\
Data File : BM020223.D
Acq On : 09 May 2019 18:39
Operator : JU/SJ
Sample : K2645-07 5X
Misc :
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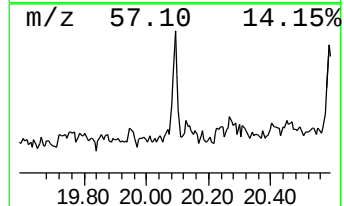
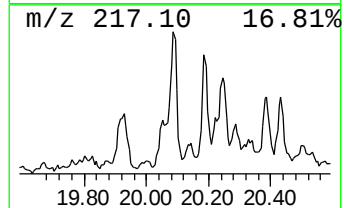
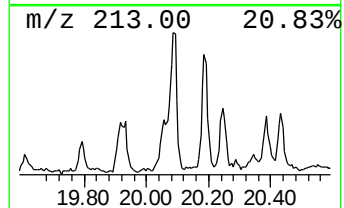
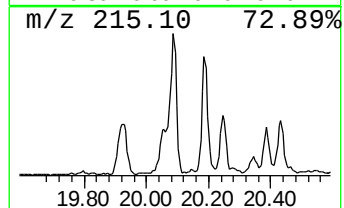
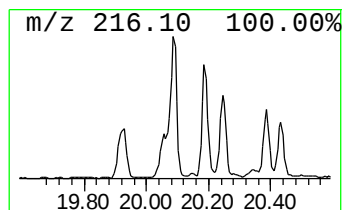
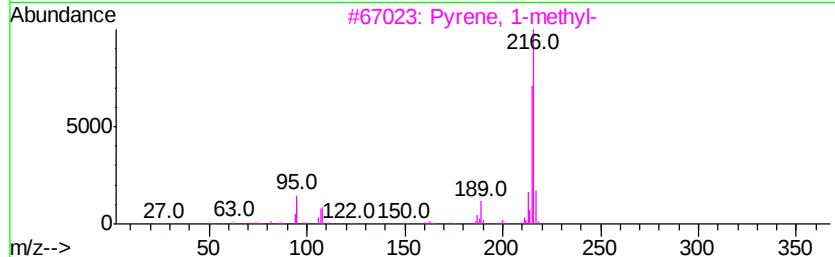
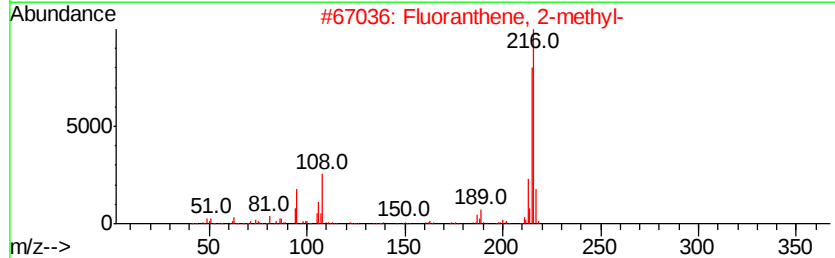
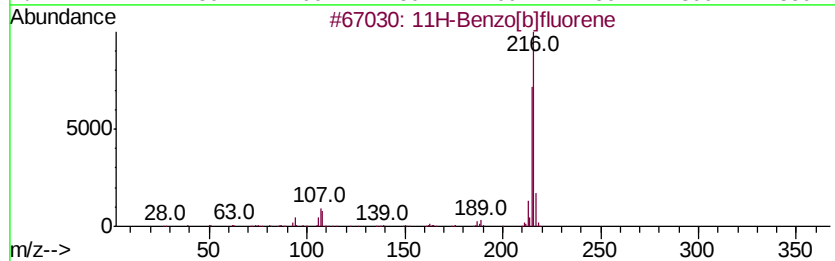
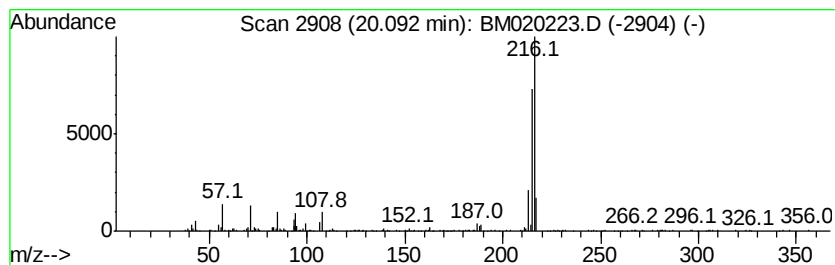
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ClientSampleId :
PL-02-050719-D

Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM043019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
TIC Integration Parameters: LSCINT.P

Peak Number 19 11H-Benzo[b]fluorene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
20.09	3.01 ng	569898	Chrysene-d12	21.36	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
3	Pvrene, 1-methyl-	216	C17H12	002381-21-7	90
4	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	86
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83



Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM050919\
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 Operator : JU/SJ
 Sample : K2645-07 5X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM043019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST02.L
 TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
unknown7.30	7.30	19.0	ng	641206	1	7.77	675877	20.0
Tridecane	16.12	4.1	ng	299649	4	17.17	1456580	20.0
Undecane, 4,8-dim...	16.91	2.7	ng	195077	4	17.17	1456580	20.0
Methyl tetradecan...	17.83	5.6	ng	410744	4	17.17	1456580	20.0
Phenanthrene, 2-m...	18.09	5.0	ng	365604	4	17.17	1456580	20.0
Phenanthrene, 1-m...	18.17	2.5	ng	184672	4	17.17	1456580	20.0
4H-Cyclopenta[def...	18.24	8.5	ng	616289	4	17.17	1456580	20.0
Anthracene, 1-met...	18.27	2.4	ng	173787	4	17.17	1456580	20.0
Hexadecane	18.34	2.3	ng	169892	4	17.17	1456580	20.0
9,12-Octadecadien...	18.97	24.3	ng	1765860	4	17.17	1456580	20.0
11-Octadecenoic a...	19.00	32.1	ng	2339070	4	17.17	1456580	20.0
Cyclopenta(def)ph...	19.11	2.6	ng	187023	4	17.17	1456580	20.0
Octadecanoic acid...	19.13	3.5	ng	254085	4	17.17	1456580	20.0
Fluoranthene, 2-m...	19.92	2.3	ng	432424	5	21.36	3786930	20.0
11H-Benzo[b]fluorene	20.09	3.0	ng	569898	5	21.36	3786930	20.0